INDICES

Author Index

	Page		Page
Back, A.	375	Hauschka, Theodore	193
Blauch, Bertina M.	331	Jokl, E.	1
Briggs, Robert	45	Liebman, Emil	291
Brooks, Matilda Moldenhauer	391	O'Brien, John P.	25
Diller, Irene C.	331	Quiring, Daniel P.	15
Goodwin, Priscilla	75	Troupin, Georges	343
Hall, Ada R.	173	White, Philip R.	231, 381
Hammett, Frederick S.	89	Wilson, Louise Palmer	361

Subject Index

	Page
Adrenals, influence of habitat on	15
Allium cepa, effect of X-rays and colchicine on	375
Amigen, in mouse diet	333, 335
Amblystoma	
metamorphosis in	75
regeneration rates in	75
Amino acids in Drosophila growth	361
Animal tissues cultured *in vitro*	231
Axial gradient pattern, absence of	193
Brain, influence of habitat on	15
Calcium, dietary	173
Cellular basis of regeneration	25
Chemical mechanism of hexenolactone damage	196
Colchicine, effect on growth of Allium	375
Correlation of height, weight and body index	1
Correlations, statistical, in Obelia populations	89
Cultivation of animal tissues *in vitro*	231
Cysteine and cystine in Drosophila growth	361
Diet, influence on mitotic division	331
Drosophila larvae, growth with cysteine and cystine	361
Eggs, marine, fertilization in	391
Embryos, frogs	45
Fertilization in marine eggs	391
Flatworms,	
absence of axial gradient in	196
effect of hexenolactone on	193
Frog embryos	45
Growth, rôle of leucocytes in	291
Growth inhibitors	45, 193
Growth in relation to	
Amino acids	361
Calcium	173
Colchicine	375
Cysteine	361
Cystine	361
Diet	331
Habitat	15
Hexenolactone	45, 193
Iodine	173
Light	343
Methionine	361
Nitrate	381

INDICES

Author Index

	Page		Page
Back, A.	375	Hauschka, Theodore	193
Blauch, Bertina M.	331	Jokl, E.	1
Briggs, Robert	45	Liebman, Emil	291
Brooks, Matilda Moldenhauer	391	O'Brien, John P.	25
Diller, Irene C.	331	Quiring, Daniel P.	15
Goodwin, Priscilla	75	Troupin, Georges	343
Hall, Ada R.	173	White, Philip R.	231, 381
Hammett, Frederick S.	89	Wilson, Louise Palmer	361

Subject Index

	Page
Adrenals, influence of habitat on	15
Allium cepa, effect of X-rays and colchicine on	375
Amigen, in mouse diet	333, 335
Amblystoma	
metamorphosis in	75
regeneration rates in	75
Amino acids in Drosophila growth	361
Animal tissues cultured *in vitro*	231
Axial gradient pattern, absence of	193
Brain, influence of habitat on	15
Calcium, dietary	173
Cellular basis of regeneration	25
Chemical mechanism of hexenolactone damage	196
Colchicine, effect on growth of Allium	375
Correlation of height, weight and body index	1
Correlations, statistical, in Obelia populations	89
Cultivation of animal tissues *in vitro*	231
Cysteine and cystine in Drosophila growth	361
Diet, influence on mitotic division	331
Drosophila larvae, growth with cysteine and cystine	361
Eggs, marine, fertilization in	391
Embryos, frogs	45
Fertilization in marine eggs	391
Flatworms,	
absence of axial gradient in	196
effect of hexenolactone on	193
Frog embryos	45
Growth, rôle of leucocytes in	291
Growth inhibitors	45, 193
Growth in relation to	
Amino acids	361
Calcium	173
Colchicine	375
Cysteine	361
Cystine	361
Diet	331
Habitat	15
Hexenolactone	45, 193
Iodine	173
Light	343
Methionine	361
Nitrate	381

Page

Nutrients 231, 331
Phosphate 381
l-Proline 381
Synthetic nutrients 231, 331
Temperature 343
X-rays 375
Growth of
Adrenals 15
Allium cepa 375
Amblystoma 75
Animal tissues *in vitro* 231
Brain 15
Drosophila 361
Eggs, marine 391
Flatworms 193
Frog embryos 45
Heart 15
Hydranths, Obelia 89
Mercurialis annua L. 343
Mouse epithelium 331
Nais 25
Obelia 89
Rat, albino 173
School children 1
Thyroid 15
Tissue culture, animal 231
Tissue culture, plant 381
Trephocytes 291
Triturus 75
Ulva 381
Growth period 173
Habitat, effect on organs 15
Heart, influence of habitat on 15
Hematology, invertebrate 291
Hexenolactone
biochemical mechanism of 199
effect on flatworms 193
effect on frog embryos 47
Hydranths, Obelia 89
Iodine, dietary 173
Leucocytes, role in nutrition and growth 291
Light, influence on growth of Mercurialis 343
Metabolism, basal, of albino rat 173
Metamorphosis
in Amblystoma 75
in Nais 25
in Triturus 75
Methionine in Drosophila growth 361
Mitotic division in mouse epithelium 331
Nais paraguayensis, regeneration in 25
Nitrate in Ulva growth 381
Nutrients, synthetic, for animal tissue culture 231
Nutrition, role of leucocytes in 291
Obelia colony populations 89
Rat, albino, metabolic levels 173
Rat, albino, dietary calcium and iodine in 173
Regeneration
cellular basis of 26
effect of X-rays on 38

	Page
in Nais	25
in Amblystoma	75
in Triturus	75
School children,	
height, weight and body index of	1
Sexuality in Mercurialis, effect of temperature on	343
Temperature and growth in Mercurialis	343
Thyroid, influence of habitat on	15
Tissue culture, synthetic nutrient solutions for	231
Tissue damage, by hexenolactone	193
Trephocytes and trephocytosis	291
Triturus	
regeneration rates in	75
metamorphosis in	75
Ulva, effect of nitrate, l-proline and phosphate on	381
X-rays	
effect on growth of *Allium cepa* seeds	375
effect on regeneration in Nais	38

Organisms, Index of

	Page
Allium cepa	375
Amblystoma	75
Drosophila	361
Dugesia tigrina	193
Invertebrates	291
Man	1
Mercurialis annua L.	343
Mouse	331
Nais paraguayensis	25
Obelia	89
Rana pipiens	45
Rat, albino	173
Triturus	75
Ulva	381